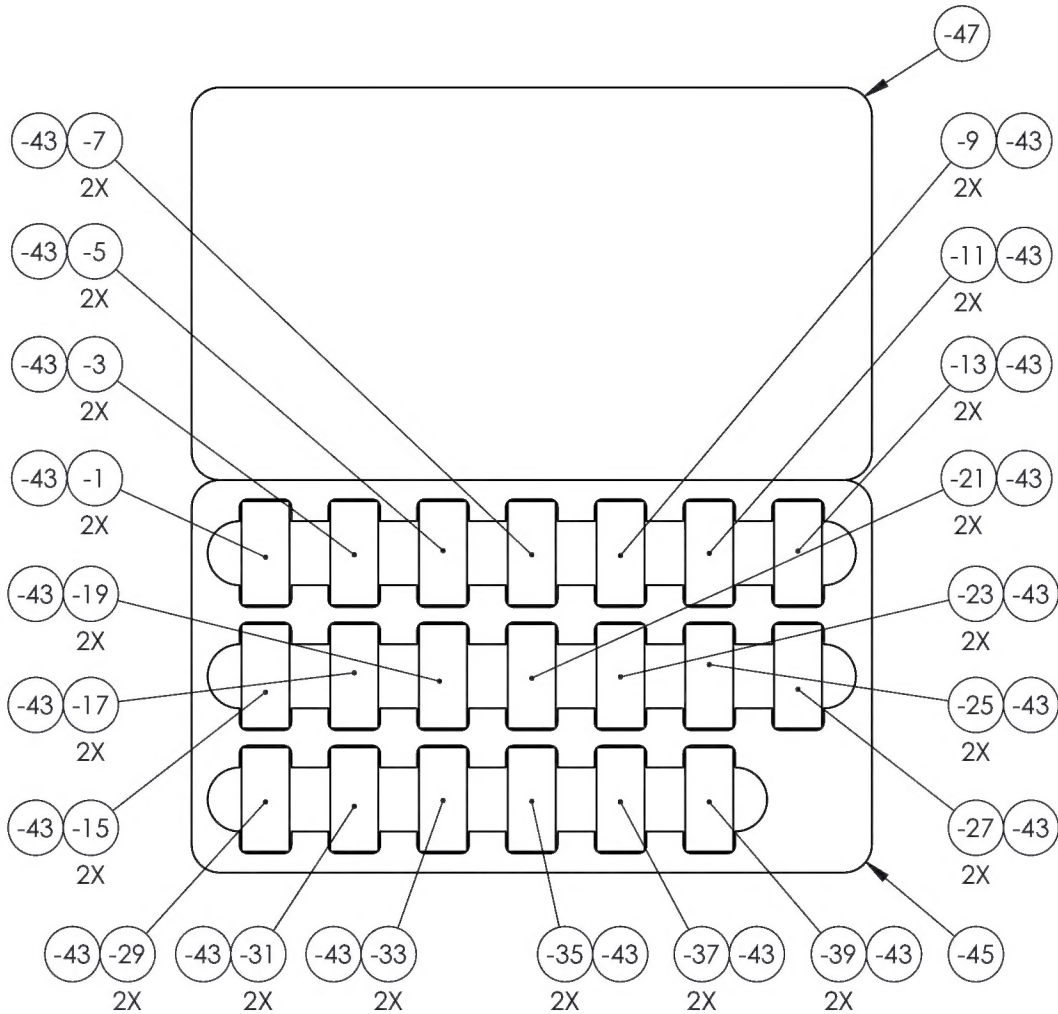


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	2/1/2017	DPD	JAG
2	17-0080	-1 THRU -39 CH'D B/O INFO: ADDED DIM C.	3/31/2017	SM	JAG



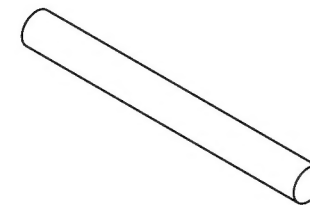
- NOTES:
1. REF: BHT-ALL-SPM TABLE 8-2
GEARS - MEASURING PINS VERSUS
HELICOPTER MODELS AND KIT
DESIGNATION LETTERS; 429.
 2. CUT OUT -41 LABELS AND PLACE IN
CORRESPONDING -43 VIAL.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	2	GAUGE PIN	STEEL	Ø.0240 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-3	2	GAUGE PIN	STEEL	Ø.0360 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-5	2	GAUGE PIN	STEEL	Ø.0432 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-7	2	GAUGE PIN	STEEL	Ø.0480 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-9	2	GAUGE PIN	STEEL	Ø.0540 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-11	2	GAUGE PIN	STEEL	Ø.0600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-13	2	GAUGE PIN	STEEL	Ø.0800 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-15	2	GAUGE PIN	STEEL	Ø.0864 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-17	2	GAUGE PIN	STEEL	Ø.0960 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-19	2	GAUGE PIN	STEEL	Ø.1080 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-21	2	GAUGE PIN	STEEL	Ø.1200 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-23	2	GAUGE PIN	STEEL	Ø.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-25	2	GAUGE PIN	STEEL	Ø.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-27	2	GAUGE PIN	STEEL	Ø.1440 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-29	2	GAUGE PIN	STEEL	Ø.1600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-31	2	GAUGE PIN	STEEL	Ø.1600 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-33	2	GAUGE PIN	STEEL	Ø.1728 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-35	2	GAUGE PIN	STEEL	Ø.1728 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-37	2	GAUGE PIN	STEEL	Ø.1920 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-39	2	GAUGE PIN	STEEL	Ø.2057 X 2, X CLASS, MINUS (MEYER GAGE) MODIFIED	2
			-41	1	LABEL	PAPER		3
		B/O	-43	20	VIAL WITH LID	CLEAR POLYPROPYLENE	Ø3/4 X 1-5/8 (L.A. CONTAINER #071600)	1
		B/O	-45	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	2.05 X 6.13 X 10.63 (CASE SOLUTIONS)	4
		B/O	-47	1	TOP FOAM	ETHAFOAM 220, BLACK	1.05 X 6.13 X 10.63 (CASE SOLUTIONS)	5
		B/O	-49	1	CASE	PLASTIC	PELICAN #APP-1170-E	N/S
		B/O		1	PLACARD	ALUMINUM	RB41011	N/S

DART AEROSPACE	
TITLE GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO. RBT18003	REV 2
MAT'L HEAT TREAT FINISH SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ±.5° .X ± .1 SURFACES = 125/✓
DRAWN BY: CHECKED: OPPS APPR: QA APPR:	DUERFELDT CLOUGH ANDERSON LINDSAY
APPROVED: SCALE	GILBERT 1:3
DATE 1/18/2017	SHEET 1 OF 6

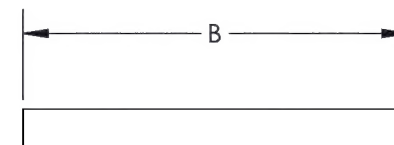
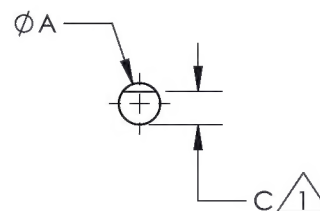
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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	17-0080	-3 THRU 39 CH'D B/O INFO; ADDED DIM C.	3/31/2017	SM	JAG



GAUGE PIN DIMENSIONS

PART NUMBER	ØA	B	C
-1	(Ø.0240)	1"	N/A
-3	(Ø.0360)	1"	
-5	(Ø.0432)	1"	
-7	(Ø.0480)	1"	
-9	(Ø.0540)	1"	
-11	(Ø.0600)	1"	
-13	(Ø.0800)	1"	
-15	(Ø.0864)	1"	
-17	(Ø.0960)	1"	
-19	(Ø.1080)	1"	
-21	(Ø.1200)	1"	
-23	(Ø.1440)	1/4"	
-25	(Ø.1440)	1"	
-27	(Ø.1440)	1"	.1209±.0050
-29	(Ø.1600)	1/4"	N/A
-31	(Ø.1600)	1"	
-33	(Ø.1728)	1/4"	
-35	(Ø.1728)	1"	
-37	(Ø.1920)	1"	
-39	(Ø.2057)	1"	



NOTE:

FLATTENED PIN.

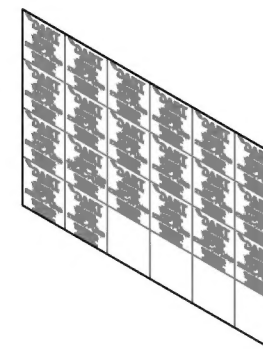
DART AEROSPACE	
TITLE GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO. RBT18003-1 THRU -39	REV 2
MAT'L STEEL HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	BELL 429
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:1	DATE 1/18/2017
SHEET 2 OF 6	





















-1 THRU -39

GAUGE PIN

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REVISIONS			
REV	ECR	DESCRIPTION	DATE
		INITIAL	APPROVED



 <p>GEAR & SPLINE WEAR CHECK PINS .0240" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0360" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0432" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0480" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0540" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0600" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>
 <p>GEAR & SPLINE WEAR CHECK PINS .0800" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0864" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .0960" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1080" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1200" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1440" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>
 <p>GEAR & SPLINE WEAR CHECK PINS .1440" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1440" DIA. - FLTND 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1600" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1600" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1728" DIA. 2 EACH - 1/4" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .1728" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>
 <p>GEAR & SPLINE WEAR CHECK PINS .1920" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>	 <p>GEAR & SPLINE WEAR CHECK PINS .2057" DIA. 2 EACH - 1" LONG 100 S. DANBRO AVE. EUGENE, OR 97402 1-502-595-4195 sales@dartaero.com</p>				

1.25 TYP

1.25 TYP

7.5

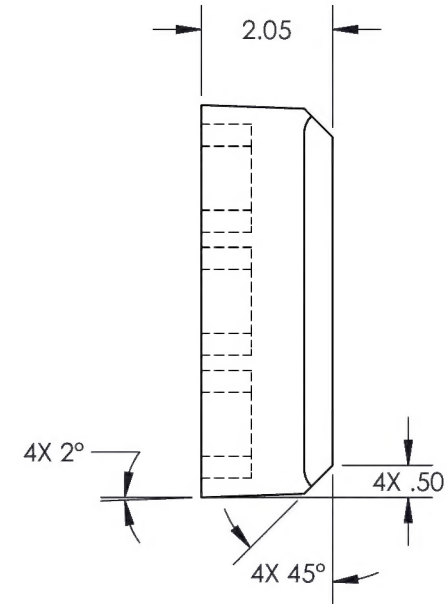
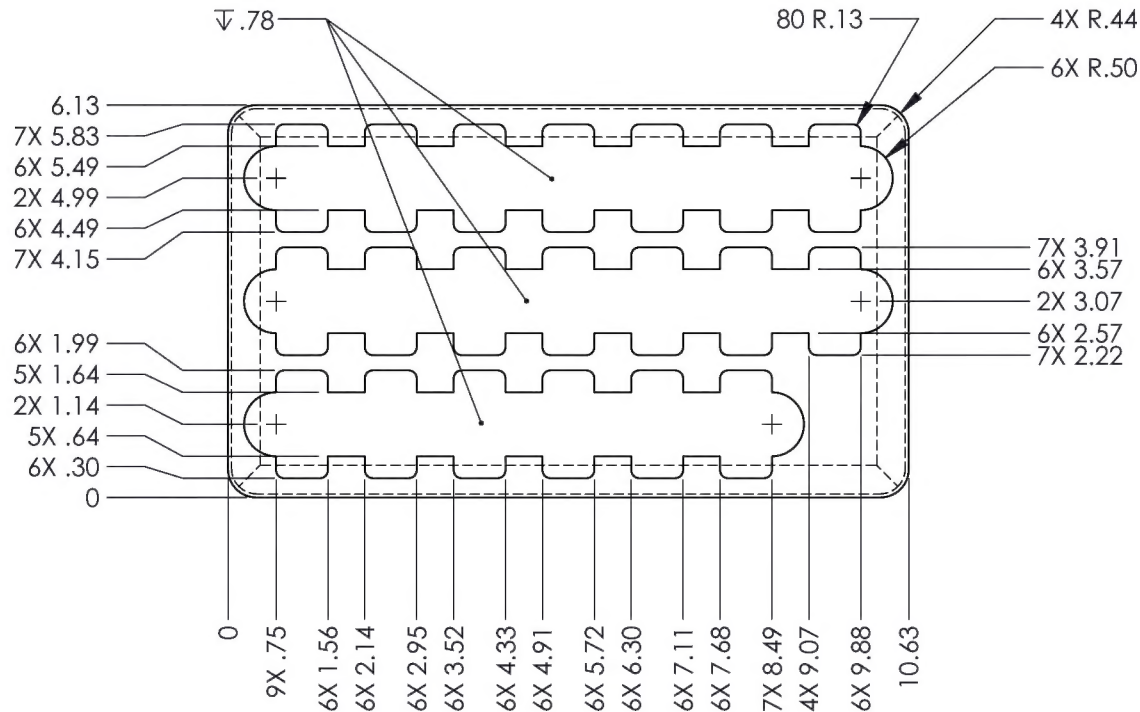
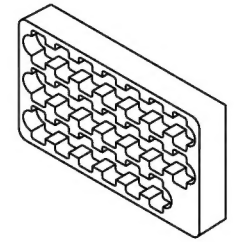
5.0

(-41)
LABEL

TITLE GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO. RBT18003-41	REV 2
MAT'L PAPER HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125/	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	2:3
DATE	1/18/2017
SHEET 3 OF 6	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



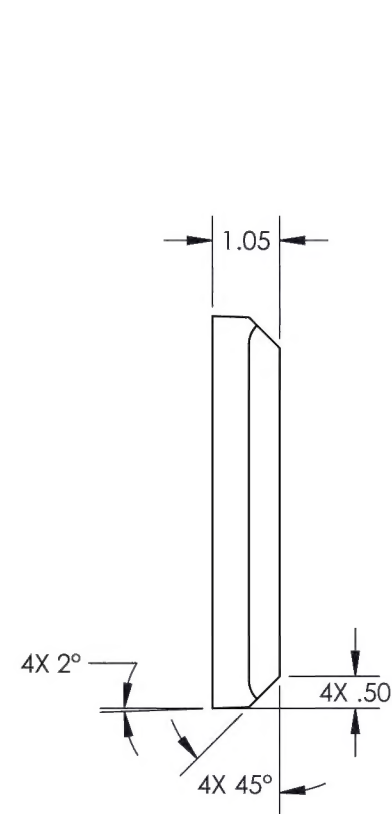
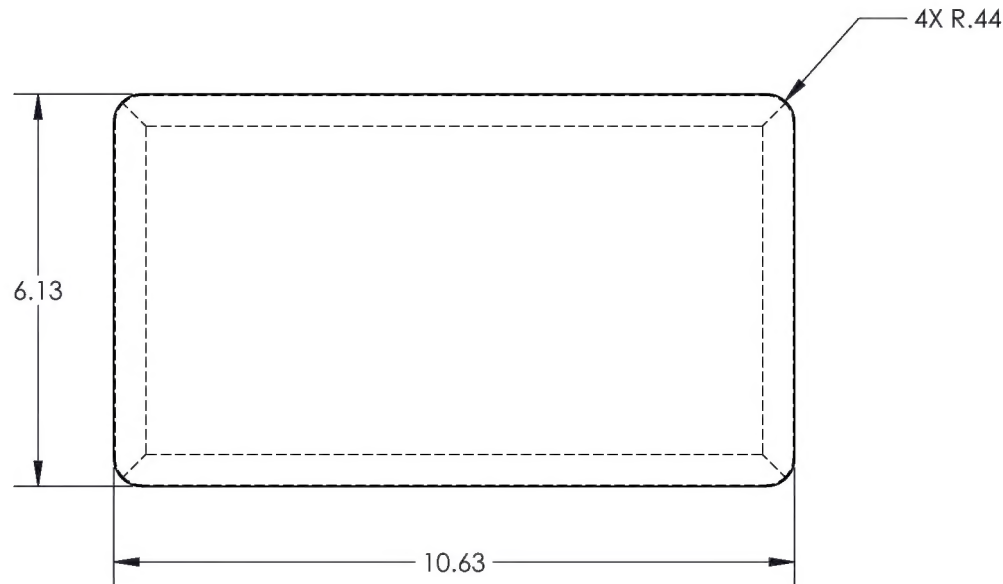
(-45)

BOTTOM FOAM

DART AEROSPACE	
TITLE: GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO. RBT18003-45	REV. 2
MAT'L: ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125/	
SPEC: 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: CLOUGH	BELL 429
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE: 1:3	DATE: 1/18/2017
SHEET 4 OF 6	

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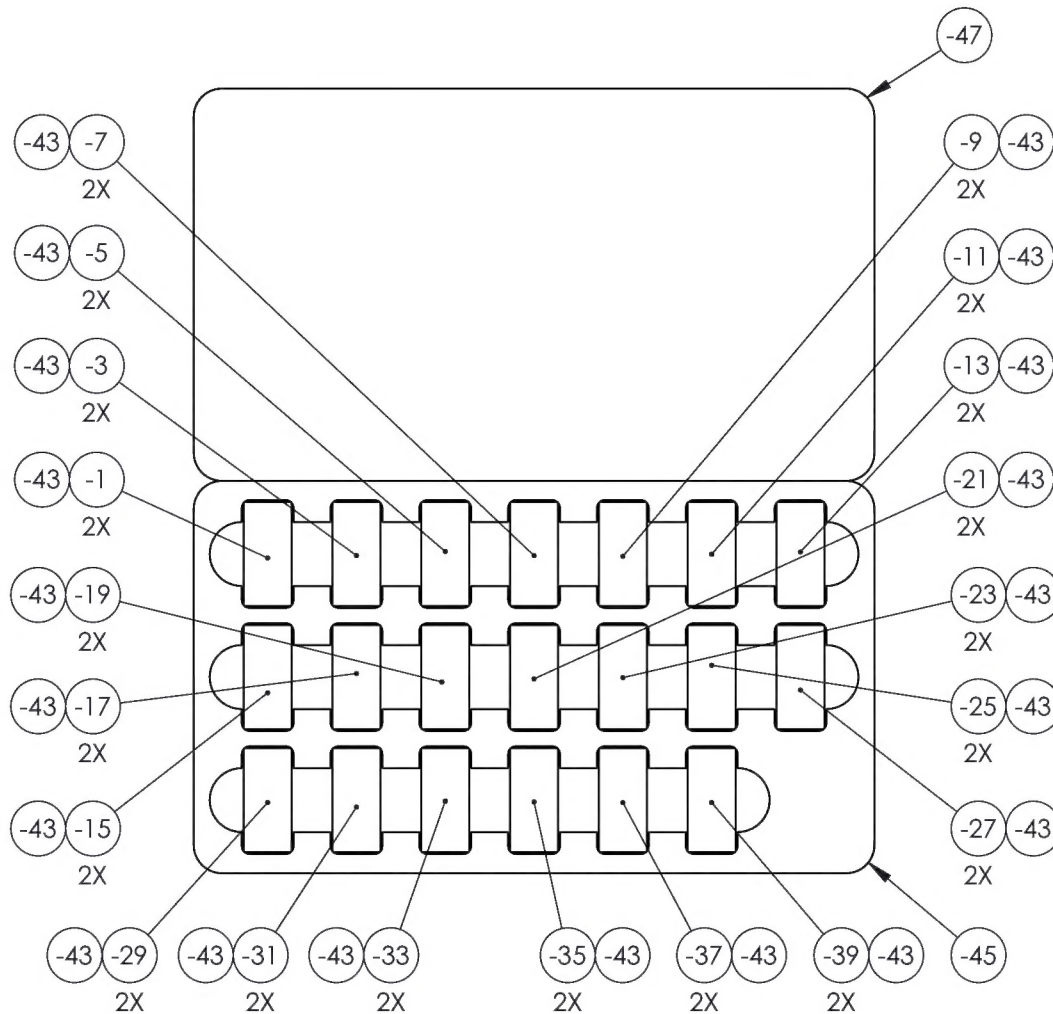
REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



(-47)
TOP FOAM

DART AEROSPACE	
TITLE: GEAR TEETH AND SPLINE MEASURING PINS	
DWG NO. RBT18003-47	REV. 2
MAT'L: ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125°	
SPEC: 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: CLOUGH	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	BELL 429
SCALE 1:3	DATE 1/18/2017
SHEET 5 OF 6	

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NOTES:

REF: BHT-ALL-SPM TABLE 8-2
GEARS - MEASURING PINS VERSUS
HELICOPTER MODELS AND KIT
DISIGNATION LETTERS; 429.

Part #	UNIT QTY	Description
-1	2	GAUGE PIN Ø.0240 X 1
-3	2	GAUGE PIN Ø.0360 X 1
-5	2	GAUGE PIN Ø.0432 X 1
-7	2	GAUGE PIN Ø.0480 X 1
-9	2	GAUGE PIN Ø.0540 X 1
-11	2	GAUGE PIN Ø.0600 X 1
-13	2	GAUGE PIN Ø.0800 X 1
-15	2	GAUGE PIN Ø.0864 X 1
-17	2	GAUGE PIN Ø.0960 X 1
-19	2	GAUGE PIN Ø.1080 X 1
-21	2	GAUGE PIN Ø.1200 X 1
-23	2	GAUGE PIN Ø.1440 X 1/4
-25	2	GAUGE PIN Ø.1440 X 1
-27	2	GAUGE PIN Ø.1440 X 1 FLATTENED
-29	2	GAUGE PIN Ø.1600 X 1/4
-31	2	GAUGE PIN Ø.1600 X 1
-33	2	GAUGE PIN Ø.1728 X 1/4
-35	2	GAUGE PIN Ø.1728 X 1
-37	2	GAUGE PIN Ø.1920 X 1
-39	2	GAUGE PIN Ø.2057 X 1
-41	1	LABEL
-43	20	VIAL WITH LID
-45	1	BOTTOM FOAM
-47	1	TOP FOAM
-49	1	CASE
RB41011	1	PLACARD

DART
AEROSPACE

190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE			
GEAR TEETH AND SPLINE MEASURING PINS			
DWG NO.	RBT18003	REV	CUSTOMER 1 OF 1
SCALE	1:3	DATE	1/18/2017
SHEET		6 OF 6	